LABDEX

Portable Dissolved Oxygen Meter LX200PDO

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Description

Portable Dissolved Oxygen Meter LX200PDO is a microprocessor-based instrument with ATC for accurate dissolved oxygen measurement under varying temperatures. It uses a polarographic electrode with built-in temperature sensor and replaceable membrane cap, and supports air-saturated and zero oxygen calibration. It also includes a factory reset function for easy operation and maintenance.

Specifications

DO Concentration range	0.00 to 20.00 mg/l
DO Concentration resolution	0.01 mg/l
DO Concentration accuracy	± 0.01 mg/l
Sensor type	Polarographic
Calibration points	Air-saturated water or zero point
Barometric compensation	Yes
Manual salinity factor correction	Yes
DO Saturation range	0.0 to 200.0%
DO Saturation resolution	0.10%
DO Saturation accuracy	± 2.0%
Temperature range	- 5 to 11°C, 23 to 230°F
Temperature unit	°C, °F
Temperature resolution	0.1
Temperature relative accuracy	± 0.2

Reading mode	Auto read, continuous
Reading prompts	Reading, stable, locked
Temperature compensation	ATC, MTC
Data storage	200 Results
DO with temp. probe	4-Pin aviation connector
IP rating	IP65
Display	3.5 Inches LCD screen
Backlight	Yes
Auto shutdown	300 - 3600 Sec, off
Power supply	AC 100 - 240 V input, DC 5 V output
External dimension	80 x 225 x 35 mm
Net weight	0.4 Kg
Packing dimension	290 x 300 x 140 mm
Gross weight	2 Kg

Features

- 3.5-Inch LCD display for clear and easy result monitoring
- Auto-read and continuous-read modes for efficient measurements
- Automatic and manual temperature compensation for high accuracy
- Auto-hold function locks stable readings instantly

- Memory storage for up to 200 measurement records per parameter
- Auto power-off function for extended battery performance
- Factory reset option for quick default setting recovery
- IP65 Waterproof design for field and outdoor use
- Supports air-saturated water and zero oxygen calibration
- Manual barometric pressure compensation for precise DO analysis
- Manual salinity correction for improved measurement accuracy

Applications

- Used to quickly measure the amount of oxygen dissolved in water in field or lab conditions, helping assess water quality and aquatic health. It is commonly applied in environmental monitoring, aquaculture, wastewater treatment, and freshwater ecosystem studies to ensure optimal oxygen levels and compliance with environmental standards.

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